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APPLICATION NO.	FILING DATE	FIRST NAMED INVENTOR	ATTORNEY DOCKET NO.	CONFIRMATION NO.
10/823,623	04/14/2004	Lennart Stridsberg	1291-0146PUS2	4653
2292 7590 02/22/2010 BIRCH STEWART KOLASCH & BIRCH PO BOX 747 FALLS CHURCH, VA 22040-0747				
EXAMINER				
RESTIPO, JEFFREY J				
ART UNIT		PAPER NUMBER		
3618				
NOTIFICATION DATE		DELIVERY MODE		
02/22/2010		ELECTRONIC		

**Please find below and/or attached an Office communication concerning this application or proceeding.**

The time period for reply, if any, is set in the attached communication.

Notice of the Office communication was sent electronically on above-indicated "Notification Date" to the following e-mail address(es):

mailroom@bskb.com

### Office Action Summary

**Application No.**

10/823,623

**Applicant(s)**

STRIDSBERG, LENNART

**Examiner**

Jeffrey J. Restifo

**Art Unit**

3618

-- The MAILING DATE of this communication appears on the cover sheet with the correspondence address --  
**Period for Reply**

A SHORTENED STATUTORY PERIOD FOR REPLY IS SET TO EXPIRE 3 MONTH(S) OR THIRTY (30) DAYS, WHICHEVER IS LONGER, FROM THE MAILING DATE OF THIS COMMUNICATION.

- Extensions of time may be available under the provisions of 37 CFR 1.136(a). In no event, however, may a reply be timely filed after SIX (6) MONTHS from the mailing date of this communication.
- If NO period for reply is specified above, the maximum statutory period will apply and will expire SIX (6) MONTHS from the mailing date of this communication.
- Failure to reply within the set or extended period for reply will, by statute, cause the application to become ABANDONED (35 U.S.C. § 133). Any reply received by the Office later than three months after the mailing date of this communication, even if timely filed, may reduce any earned patent term adjustment. See 37 CFR 1.704(b).

**Status**

- 1) ☒ Responsive to communication(s) filed on 12 November 2009.
- 2a) ☒ This action is **FINAL**. 2b) ☐ This action is non-final.
- 3) ☐ Since this application is in condition for allowance except for formal matters, prosecution as to the merits is closed in accordance with the practice under *Ex parte Quayle*, 1935 C.D. 11, 453 O.G. 213.

**Disposition of Claims**

- 4) ☒ Claim(s) 1-4 and 6-15 is/are pending in the application.
- 4a) Of the above claim(s) \_\_\_\_\_ is/are withdrawn from consideration.
- 5) ☐ Claim(s) \_\_\_\_\_ is/are allowed.
- 6) ☒ Claim(s) 1-4 and 6-15 is/are rejected.
- 7) ☐ Claim(s) \_\_\_\_\_ is/are objected to.
- 8) ☐ Claim(s) \_\_\_\_\_ are subject to restriction and/or election requirement.

**Application Papers**

- 9) ☐ The specification is objected to by the Examiner.
- 10) ☒ The drawing(s) filed on 26 September 2005 is/are: a) ☒ accepted or b) ☐ objected to by the Examiner.  
Applicant may not request that any objection to the drawing(s) be held in abeyance. See 37 CFR 1.85(a).  
Replacement drawing sheet(s) including the correction is required if the drawing(s) is objected to. See 37 CFR 1.121(d).
- 11) ☐ The oath or declaration is objected to by the Examiner. Note the attached Office Action or form PTO-152.

**Priority under 35 U.S.C. § 119**

- 12) ☒ Acknowledgment is made of a claim for foreign priority under 35 U.S.C. § 119(a)-(d) or (f).
- a) ☒ All b) ☐ Some \* c) ☐ None of:
1. ☐ Certified copies of the priority documents have been received.
  2. ☒ Certified copies of the priority documents have been received in Application No. 09/557,902.
  3. ☐ Copies of the certified copies of the priority documents have been received in this National Stage application from the International Bureau (PCT Rule 17.2(a)).

\* See the attached detailed Office action for a list of the certified copies not received.

**Attachment(s)**

- 1) ☐ Notice of References Cited (PTO-892)
- 2) ☐ Notice of Draftsperson's Patent Drawing Review (PTO-948)
- 3) ☐ Information Disclosure Statement(s) (PTO/SB/08)  
Paper No(s)/Mail Date \_\_\_\_\_
- 4) ☐ Interview Summary (PTO-413)  
Paper No(s)/Mail Date \_\_\_\_\_
- 5) ☐ Notice of Informal Patent Application
- 6) ☐ Other: \_\_\_\_\_

## DETAILED ACTION

### *Claim Rejections - 35 USC § 103*

1. The following is a quotation of 35 U.S.C. 103(a) which forms the basis for all obviousness rejections set forth in this Office action:

(a) A patent may not be obtained though the invention is not identically disclosed or described as set forth in section 102 of this title, if the differences between the subject matter sought to be patented and the prior art are such that the subject matter as a whole would have been obvious at the time the invention was made to a person having ordinary skill in the art to which said subject matter pertains. Patentability shall not be negated by the manner in which the invention was made.

1. Claims 1, 6, 10, 11, and 15 are rejected under 35 U.S.C. 103(a) as being unpatentable over Eggert, Jr. (US 4,267,895 A) and in further view of Nelson et al. (US 6,131,681 A).

Eggert, Jr. discloses a hybrid vehicle comprising a thermal engine 56 and motor 61 (inherently with output shaft), each for driving wheels 76, an energy storage device or batteries 40, and a forced air cooling system 57 for diverting air through channels 55, 57 to either the engine or motor for cooling internal parts, as shown in figures 1-7. Eggert, Jr. further discloses intakes 66, 67 having grates or screens 84, as recited in column 4, lines 53-62. Eggert, Jr. does not disclose the screen as being a filter. Nelson does disclose a vehicle intake screen or filter 21, 22 for filtering out bugs and debris, as recited in column 5, lines 56-65. It would have been obvious to one having ordinary skill in the art at the time of the invention to have provided the inlet of Eggert, Jr. with the filter of Nelson et al. in order to prevent small debris from entering the cooling system. Since the claim only recites "supplying air to the thermal engine", the air does not have to be used for combustion in the engine and therefore cooling air for the engine reads on the claims.

With respect to claim 11, the method is inherently performed in the use of the apparatus of Eggert, Jr. in view of Nelson et al. recited above.

2. Claims 2-4, 7-9, and 12-14 are rejected under 35 U.S.C. 103(a) as being unpatentable over Eggert, Jr. and Nelson et al., as applied to claims 1, 6, and 11 above, and further in view of Ishida et al. (US 5,705, 865 A).

Neither Eggert, Jr. nor Nelson et al. explicitly disclose air as cooling around the motor windings, permanent magnets, and rotor/stator. Ishida et al. discloses a motor that has a cooling chamber with airgap 30 for allowing cooling air to reach the windings 34 and magnets 33 (or stator/rotor), as shown in figures 4. It would have been obvious to one having ordinary skill in the art at the time of the invention to have provided the vehicle of Eggert, Jr. as modified by Nelson et al. with the motor of Ishida et al. in order to cool the inside of the motor and prevent overheating of the stator and rotor.

### ***Response to Arguments***

2. Applicant's arguments filed 11/12/09 have been fully considered but they are not persuasive. With respect to the applicant's arguments concerning claims 1 and 11, the fact that the applicant intended to filter out dust and small particles does not prevent the filter of Nelson et al. from reading on the claims. The claims do not recite the size of the filter and this may not be read into the claims. For these reasons the rejection stands.

### ***Conclusion***

3. **THIS ACTION IS MADE FINAL.** Applicant is reminded of the extension of time policy as set forth in 37 CFR 1.136(a).

A shortened statutory period for reply to this final action is set to expire THREE MONTHS from the mailing date of this action. In the event a first reply is filed within TWO MONTHS of the mailing date of this final action and the advisory action is not mailed until after the end of the THREE-MONTH shortened statutory period, then the shortened statutory period will expire on the date the advisory action is mailed, and any extension fee pursuant to 37 CFR 1.136(a) will be calculated from the mailing date of the advisory action. In no event, however, will the statutory period for reply expire later than SIX MONTHS from the mailing date of this final action.

3. Any inquiry concerning this communication or earlier communications from the examiner should be directed to Jeffrey J. Restifo whose telephone number is (571) 272-6697. The examiner can normally be reached on Monday-Thursday 10am-7pm.

If attempts to reach the examiner by telephone are unsuccessful, the examiner's supervisor, Paul Dickson can be reached on (571) 272-7742. The fax phone number for the organization where this application or proceeding is assigned is 571-273-8300.

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Information regarding the status of an application may be obtained from the Patent Application Information Retrieval (PAIR) system. Status information for published applications may be obtained from either Private PAIR or Public PAIR. Status information for unpublished applications is available through Private PAIR only. For more information about the PAIR system, see <http://pair-direct.uspto.gov>. Should you have questions on access to the Private PAIR system, contact the Electronic Business Center (EBC) at 866-217-9197 (toll-free).

Jeffrey J Restifo  
Primary Examiner  
Art Unit 3618

JJR

/Jeffrey J Restifo/

Primary Examiner, Art Unit 3618